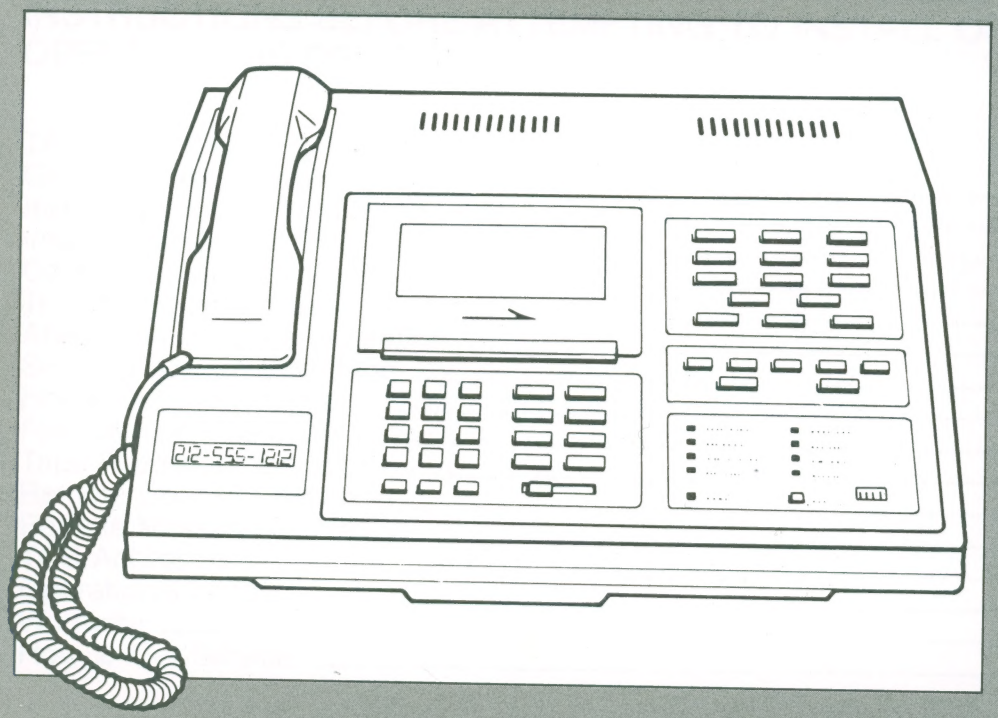
TOTAL COMPUTER SYSTEM'S

BUTLER™
HOME COMPUTER



MODEL 608

INSTALLATION and OPERATING INSTRUCTIONS

IMPORTANT NOTICE

PLEASE READ THE FIRST FOUR SECTIONS OF THESE INSTRUCTIONS BEFORE ATTEMPTING TO INSTALL OR OPERATE THIS DEVICE

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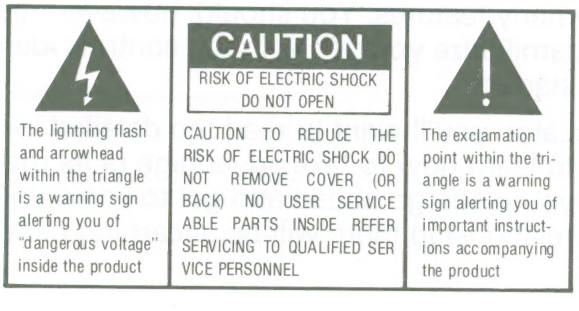
Warning:
To prevent fire or shock hazard do not expose this appliance to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
The lightning flash and arrowhead within the triangle is a warning sign alerting you of "dangerous voltage" inside the product
CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER SERVICE ABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SER VICE PERSONNEL
The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product

For future reference, record Model number and Serial number printed on rear of cabinet.

Series # _____ Model # _____

GETTING TO KNOW YOUR BUTLER

Congratulations on your purchase of the first true Home Computer.Your new BUTLER Home Computer System is designed to take care of all your needs, just as a human butler would do. It can become your electronic secretary, servant, and security guard. It will even talk to you.

The BUTLER will remember your important phone numbers and automatically dial them for you, and keep trying, if you wish, in the case of a busy signal or no answer.

The BUTLER can give out your recorded messages and receive messages for you from callers. It can even keep "secret" messages for callers to whom you have given special code numbers.

The BUTLER can record your phone or room conversations, and even allows you to listen in on your home when you're not there.

The BUTLER can manage your home environment by regulating temperature, lighting and electrical appliances according to pre-programmed or direct instructions or even according to your commands, over the telephone; from anywhere there's a touchtone phone.

The BUTLER can guard your home against fire or intruders and automatically phone for help to whoever you choose. In the case of a fire the BUTLER can automatically light your escape route.

The BUTLER can talk to you with its computer voice to aid you in using its many features. You should, however, read over the next few sections and familiarize yourself with the controls identified in Figure 5 before you get started.

Later, you'll want to read the detailed instructions further on in this book to learn how to take advantage of its many features. However for now, if you want, go ahead and get to know your new BUTLER. As with any new relationship there will be a learning period for both of you. Have fun!

INSTALLING YOUR BUTLER

First, don't treat your new BUTLER badly. Carefully unpack your new BUTLER. Find a nice spot away from direct sunlight and close to an electrical outlet and telephone jack. Make sure the red power switch on the back panel is in the OFF position.

Your BUTLER operates on 117 volts AC house current but you must install 9 'D' batteries (use alkaline batteries for best results) to provide emergency power in case of line power failure. THIS IS VERY IMPORTANT SO THAT IF YOU LOSE POWER, YOUR BUTLER WILL NOT LOSE ITS MEMORY. Check to be sure the red power switch on the back panel is OFF before you install the batteries, being careful to observe the proper polarity as indicated inside the battery compartment.

Now plug the telephone handset into the jack on the left side of the cabinet, install the special 8-track cartridge (with the label side up) into the slot at the back and place the tape cassette under the door on the control panel.

Your BUTLER is provided with a modular telephone cord which plugs directly into a modular jack which looks like Figure 2. Use the supplied telephone cord to connect the jack in the back panel of your BUTLER to your home's standard modular telephone jack.

Place the TOUCHTONE/ROTARY switch to the direction of the type telephone service provided (touchtone dialing or rotary pulse dialing).

You are now ready to plug your BUTLER into the AC power line and begin operation.

(NOTE: Your BUTLER communicates with its remote sensors & modules over your house's wiring so it must be plugged, in even when it is running on batteries.

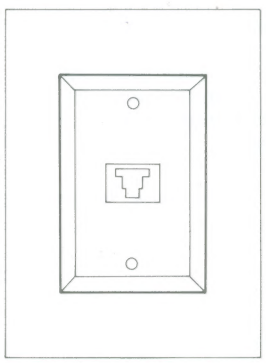


Figure 2

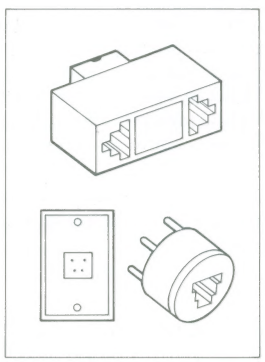


Figure 3

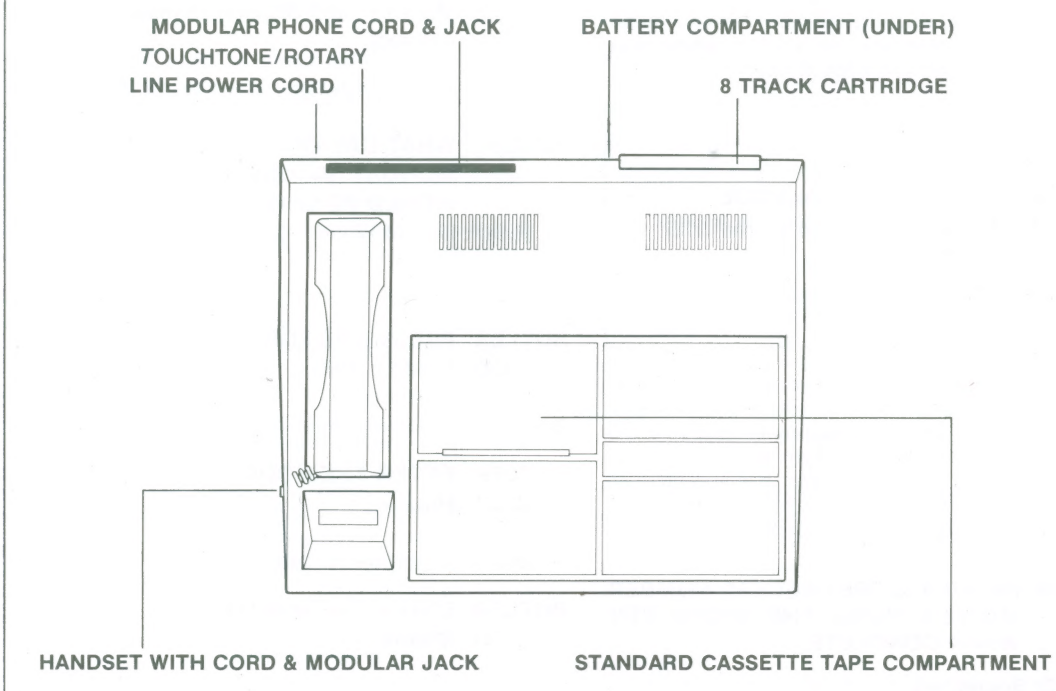


Figure 1

If you don't have a standard modular jack you can buy various adapters at most electronics and major department stores. These jacks allow you to plug both your BUTLER and another phone into a single jack or to adapt older four prong jacks to your modular plug. Figure 3 shows some typical adapters.

If you do not have extension jacks, your telephone company can install them for you. You will need to give them the FCC registration number printed on the back of the BUTLER and request for a RJ11C jack.

If you have a multi-line telephone you should call your telephone company and request installation of a standard modular jack for the line you want your BUTLER to use. Most multi-line equipment will require an RJ13C jack but your phone company will be able to advise you about your requirement.

(Note: Detailed instructions on Remote Module Operation are provided later on in this book.)

INSTRUCTING YOUR BUTLER

The illustration on Page 5 and the information following will introduce you to the BUTLER Home Computer System's high level controls and most popular functions. Later you should take time to read through this whole book and learn how to use all the many features of this computer, but for now you can start by letting your BUTLER talk you through a few of its key functions.

When the following text is printed in bold type it is to indicate:

BUTLER: THE SPOKEN DIALOGUE
(LCD: The data displayed on the LCD screen)

This information will greatly speed up your familization to your Butler.

Your new BUTLER Home Computer is programmed to use its computerized voice to ask you a series of questions which can be answered by pressing the proper buttons on its console. Turn on the red power switch on the side of the back panel. It is now ready to serve you. The BUTLER will undergo a self test, then it will ask for your "Secret Access Code".

BUTLER: ENTER A SECRET ACCESS NUMBER, MASTER. PRESS THE STORE KEY WHEN COMPLETE.

(LCD: Secret: —)

This is a two to six digit number which you will use to identify yourself to your BUTLER. Choose any number which will be easy for you to remember and press the proper buttons on the telephone keypad, then press the STORE key. (The BUTLER will say the numbers as they are being entered.) As soon as you press the STORE key, after entering your ID code, you will go immediately into the Clock Setting Sequence. You will not have to press the PROGRAM and TIME keys if this is a first power up. (If it is not a first power up and you are re-setting the Clock Sequence, press PROGRAM key then TIME key.) The BUTLER will say: ENTER THE YEAR. PRESS THE STORE KEY WHEN COMPLETE. (LCD: YEAR —) You then press the TWO digits for the year followed by the STORE key. (LCD shows Year — displays numbers as entered) (NOTE: Errors may be corrected by pressing ← (back-arrow) key and re-entering correct number.)

BUTLER: ENTER THE NUMBER FOR THE MONTH.
(LCD: Month — and displays number(s) as entered)

Press number(s) then press STORE.

BUTLER: ENTER THE NUMBER FOR THE DAY OF MONTH.
(LCD: Month — and displays number(s) as entered)

Press numbers then STORE.

BUTLER: WHAT DAY OF THE WEEK IS IT? MONDAY IS ONE AND SUNDAY WOULD BE SEVEN.
(LCD: Day of Week —)

Press proper number then STORE

BUTLER: PRESS ONE FOR AM, TWO FOR PM.
(LCD: 1=AM 2=PM)

Press proper number then STORE.

BUTLER: ENTER THE HOUR.
(LCD: Hour —)

Press number(s) then STORE.

BUTLER: ENTER THE MINUTE TIME.
(LCD: Minute —)

(NOTE: Set clock to next minute ahead of actual time.)

Press number(s) then STORE.

BUTLER: PRESS THE ON KEY WHEN THE MINUTE TIME IS ZERO.
(LCD: Press ON key)

Wait for exact start of the minute then press ON/OFF key to start BUTLER's clock.

BUTLER: YES MASTER.

BUTLER is now programmed to tell you the time and date whenever you press READ then TIME, or will give just the time by pressing the TIME key.

You have just completed your first programming sequences with the help of your BUTLER. Your BUTLER will help you program all its features in a similar manner.

If you have pressed a wrong key and your BUTLER does not ask you to set the real time clock you can do so by pressing the PROGRAM key followed by the TIME key. You may do this at any time to set the clock. The real time clock is very important to your BUTLER and should always have the correct time.

Your BUTLER's memory is protected by backup battery power so such functions as the Real-time clock need only be programmed once.

Other features, such as timed lights or thermostat adjustments may need to be changed from time to time.

In general, programming is accomplished by pressing the PROGRAM key then the key corresponding to the function to be programmed. The BUTLER's voice then talks you thru a set of questions and instructions which allow you to enter data on the phone keypad and control keys to accomplish the required programming.

Data is displayed on the LCD as it is being entered and errors may be corrected by backing up with the BACK ARROW key (←), then reentering the correct data.

Most programming functions can be done from remote locations. When you must command your BUTLER by telephone it is programmed to ask a series of questions which can be answered by pressing buttons on any touchtone keypad. The only things you'll need to remember will be the STAR (★) key, which tells your BUTLER to begin asking the right questions, and your Master Access Code, which proves that you are authorized to command it.

(NOTE: Complete transcripts of the BUTLER's various dialogues are provided at the appropriate places within the instructions. You may find it helpful to read along with them during your first few programming sessions.

CONTROLLING YOUR BUTLER

Figures 4 and 5 identify the major functional groups and controls on your BUTLER's console. They are:

TAPE TRANSPORT
Use the provided tape or any good quality audiotape cassette (not to exceed C-60) to record incoming phone messages and telephone or room conversations or to dictate letters and memos.

8 TRACK CARTRIDGE
This special cartridge has eight separately accessible tracks of 45 seconds each which are used to record your "Standard" messages (on track one), your Alarm and Fire "Help" messages (on tracks 7 & 8 respectively) and up to 5 interactive messages for the Message Manager feature (on tracks 2 thru 6).

FEATURE CONTROLS
Activate and execute most computer functions as indicated by key titles. (For instance, press "HOME CONTROL" to begin computer voice sequence to operate Home Controllers.)

MESSAGE MANAGER CONTROLS
Use to set and operate answering machine.

TAPE CONTROLS
Use to play back incoming messages or for recording of telephone or room conversations.

MICROPHONE
Use to record all outgoing messages, dictation or room conversations.

COMPUTER ACTIVITY INDICATORS
The LED panel has 9 lamps which indicate, by being lighted, which computer activity is going on or, by flashing, that the labeled feature is being programmed.

The LED panel also contains a LED OFF switch (which turns off all LED's except the POWER LED).

TELEPHONE KEYPAD
Standard Touchtone keypad plus "DIAL", "REDIAL", and Backspace keys are used for regular dialing plus data and command entry in response to the BUTLER's spoken questions and directions.

TELEPHONE & PROGRAMMING CONTROLS
Used to operate sophisticated phone features like "HOLD" and "AUTO DIAL", to turn RINGER on and off, to adjust BUTLER's speaker loudness, to STORE and SCROLL through phone numbers and to ENTER (STORE) programming data.

LCD DISPLAY
Displays date/time, stored phone numbers and data

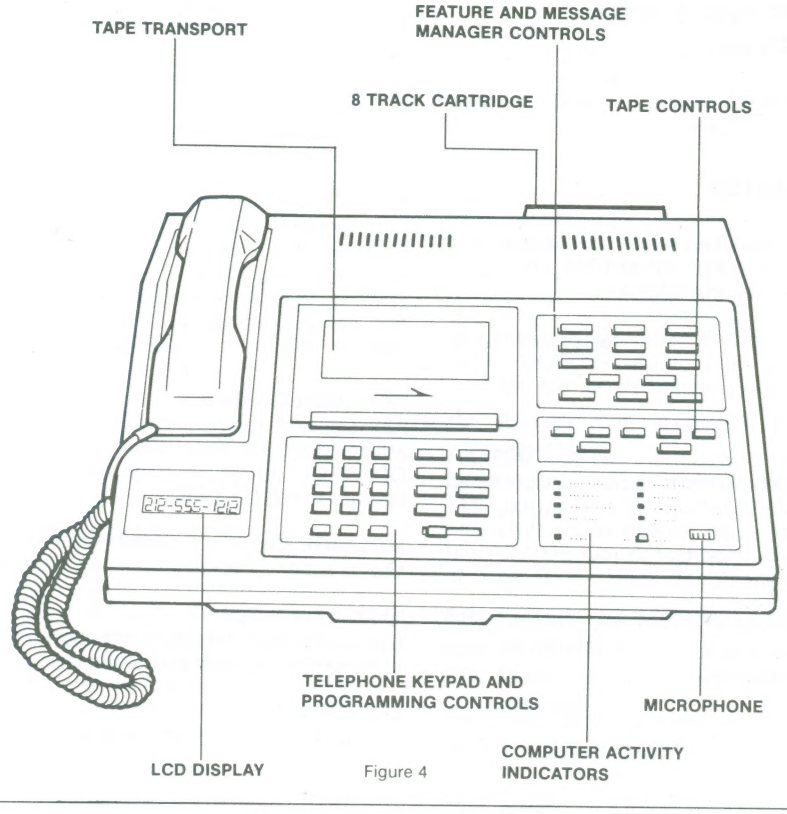


Figure 4

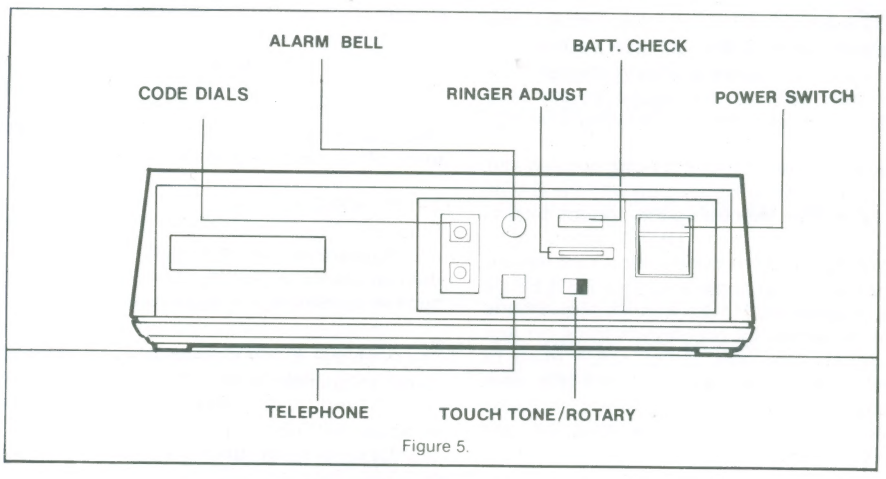


Figure 5.

while being programmed into memory. It displays phone numbers being dialed, duration of telephone calls or other timed activities. Also allows for correction of errors using the phone keypad's back arrow (←) key. It also displays critical computer states such as "Alarm Active" or "Replace Batteries".

ON THE BACK PANEL:

The POWER SWITCH turns your BUTLER On or Off. It should be OFF when you first install batteries and plug your BUTLER in but it must then remain ON at all times, even when you are replacing batteries or moving your BUTLER to another wall outlet. Turning it OFF will erase everything you've programmed into its memory.

The BATTERY CHECK button allows you to check the condition of your backup batteries. To use this button make sure that the BUTLER LCD display is in the time mode. If it is not you may get it into the time mode by pressing the time key twice. With the time displayed press the battery check button. It will read +REPLACE BATTERY+ if batteries are weak. If batteries are absent the LCD will display +REPLACE BATTERY+ all the time. You should only use good alkaline batteries as they will last the longest.

During a power line failure the BUTLER will function for as long as possible using its battery backup. During this time the BUTLER will not display +REPLACE BATTERY+ even if the batteries grow weak. Therefore if you are moving your BUTLER from one area of the house to another, you should plug it in from time to time to check your batteries.

The RINGER ADJUST is a slide switch which adjusts the number of rings before the BUTLER answers when in ANSWERING MACHINE mode.

The TOUCH TONE/ROTARY switch lets you choose which kind of dialing system is used by the BUTLER. You should set it to agree with the service you have from your telephone company.

The ALARM BELL jack allows your BUTLER to turn an external alarm ON and OFF. This is a "Normally Open" switch used to control an external bell or other device. It should be connected to an alarm bell that has its own backup power supply. If your BUTLER detects an alarm, it will close this switch, turning on your external device. The contacts on this switch are rated at 3 amps. You should contact your local security dealer for the proper bell system for this switch.

The TELEPHONE jack is the standard modular jack which allows you to plug your BUTLER into your home's telephone service.

The two CODE dials, ALARM & FIRE allows you to select one of ten signalling frequencies for your security system. You must then tune your security module(s) to the same frequency, as explained in a later section. A range of selectable frequencies is necessary so that close neighbors can avoid interfering with each other's systems.

TELEPHONE OPERATION:

Part of your BUTLER Home Computer System is an extremely sophisticated telephone. The majority of its controls are grouped as shown in Figure 6.

The HANDSET is similar to any standard handset except for the pushbutton on its inner surface. Depress that button to turn off its microphone while you talk with somebody in the room.

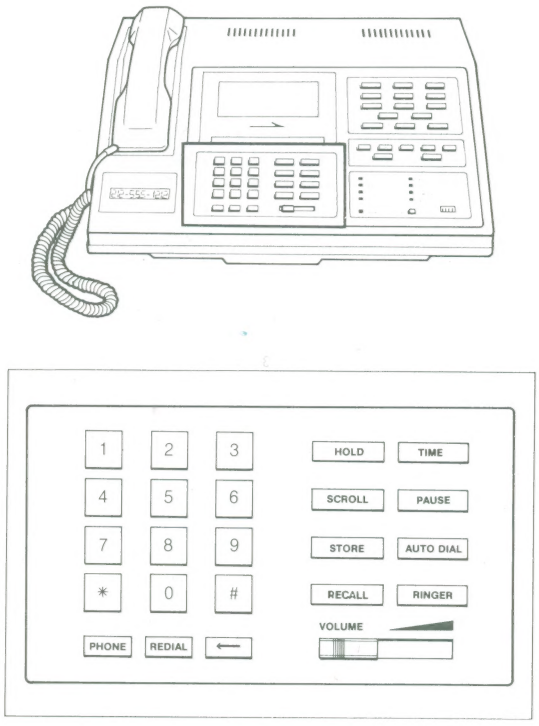


Figure 6

The TOUCHTONE KEYPAD works the same as any standard telephone keypad as well as being able to work on a rotary system by means of a selector switch on the back of your BUTLER. You can dial calls by simply picking up the handset and pressing the proper numbers. This keypad is also used to enter numbers to store in your BUTLER's memory and to give it other orders and information as you'll see in other sections of these instructions.

The LCD DISPLAY shows the number that is being dialed or stored or the duration of a call. It also acts as a display for a number of other BUTLER functions.

There are many ways to dial your BUTLER phone.

You can key in the number and as it appears on the LCD you can check for mistakes, correcting them by using the BACKSPACE ARROW (←). When the number is keyed in just pick up the Handset or press the PHONE key and the number will be dialed.

You can also pick up the Handset or press the PHONE key and then dial the number. However, you will not be able to correct any errors.

You may use the RECALL key, followed by a 2 digit number, to call up a stored number. After you see the number, pick up the Handset or press the PHONE key.

The PHONE key can be used as above or, if during a call you want to just listen, press the PHONE key and put the Handset back in its cradle. To cancel the PHONE key function, pick up the Handset or press the PHONE key again to hang up.

The REDIAL KEY instruct your BUTLER to dial the last number called again. This is handy when you get a busy signal.

The BACK ARROW (←) key lets you correct errors when entering phone numbers or data. Just watch what you're entering on the LCD and, if you make a mistake, back up with this key and reenter the correct data.

The HOLD KEY does just that. It keeps a call on the line but turns off the microphone and speaker. You bring the call back by pressing the HOLD key again.

The TIME KEY has two functions. One press causes the duration of the last call, in minutes and seconds, to show on the LCD. A second press causes the time and date to show on the LCD and asks your BUTLER to tell you the date and time with its computer voice.

Pressing TIME when the phone is on, shows the running duration of that call on the LCD. Your "BUTLER' remembers it until another call is placed. You can also check the time of day while a call is being timed by pressing the TIME key. Your BUTLER will show the date and time on the LCD and its voice will tell you the same information.

The SCROLL KEY lets you check through your BUTLER's phone memory. Press SCROLL plus any two digit code to display, on the LCD, the number stored at that code. Pressing the SCROLL key again and again steps through the stored numbers. You can dial whatever number is currently displayed by pressing the PHONE key, or by picking up the handset.

The PAUSE KEY lets you program a pause into stored numbers so your BUTLER can access touchtone numbers for independent long distance carriers from a rotary service. Store the access number for the service, then the PAUSE, then the number to be called. (The PAUSE will be shown as a "P" on the LCD.) Your BUTLER will place such a call in pulse code until it reaches the PAUSE then wait for the service to connect and automatically change over to touchtone.

The STORE KEY lets you store up to 75 telephone numbers of up to 28 digits each in your BUTLER's memory. To do so, press STORE, then the two digit code you want for that number. You then press the keys for the number you wish to store and finish it by pressing the STORE key again. You should then make a note on the pullout chart under your BUTLER showing who's number you've stored at that two digit code number.

The STORE KEY is also used to let your BUTLER know when you are finished entering a piece of programming data. Press in the numbers and then press the STORE key. In some special cases, where only a one digit answer is required, the BUTLER will automatically go on to the next question without waiting for STORE.

The AUTO DIAL KEY instructs your BUTLER to keep trying the last number dialed every minute for fifteen minutes or until either the call is completed or you tell it to give up by pressing the AUTO DIAL key again. Your BUTLER will turn on the speaker each time it retrys the number so you can hear when someone answers. (You must pick up the handset to talk when someone answers.)

The RECALL KEY allows you to access your BUTLER's telephone memory by pressing it, then any two digit number from 01 thru 75. The number stored at that code will be displayed on the LCD and can be dialed by pressing the PHONE key.

The RINGER KEY turns your BUTLER's telephone ringer ON & OFF. Each time it is pressed it changes the ringer's state from one to the other and a LED on the BUTLER Computer Status Panel lights up to alert you when the ringer is OFF.

The VOLUME button slides left and right to regulate the loudness of the speaker.

ANSWERING MACHINE OPERATION

Your new BUTLER is equipped with a sophisticated answering machine which records and plays back ordinary INCOMING messages on a standard stereo cassette tape. A tape is supplied but you may use any high quality tape not greater than C60 to store messages you may want to save.

Up to eight OUTGOING messages can be recorded on the supplied cartridge which plugs into a slot in the back of your BUTLER. (Note: This is a special cartridge which has 8 separately accessible tracks of 45 seconds each. It must be installed such that the label is up. An ordinary 8 track cartridge will NOT work in your BUTLER.)

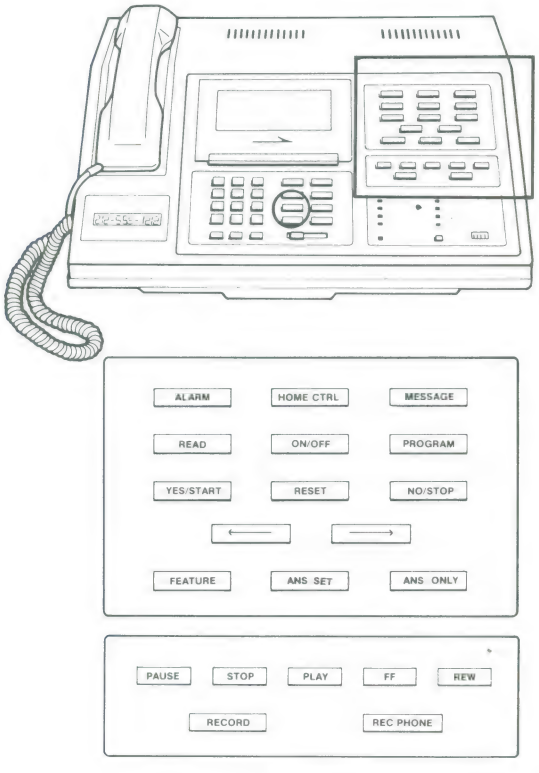


Figure 7

To record OUTGOING messages press PROGRAM, then MESSAGE, then desired message number (1 thru 8), and respond to your BUTLER's spoken directions. Be sure to speak close to the microphone located on the front panel for best quality.

Track 1 is preserved for your general outgoing message which you will probably want to record in your own voice. It can be as long as 45 seconds and you can say whatever you like but a good initial format is:

"Hello, this is (your name). If you have an ID code please give it to my BUTLER now. My BUTLER will check its memory for a special message for you (pause for 3-5 seconds). If you do not have an ID code, please wait for the tone and leave your message."

Press PROGRAM, MESSAGE

BUTLER: ENTER THE MESSAGE NUMBER MASTER.
(LCD: Message —)

Press number ONE and STORE.

BUTLER repeats the number and it shows on the LCD.

BUTLER: ENTER START TO TAPE YOUR MESSAGE. PRESS STOP WHEN COMPLETE.
(LCD: Yes to start —)

Press START and tape your message. You will have 45 seconds of message time. The LCD will read: TIME LEFT — and show how many seconds you have left on the tape.

When your message is complete, press STOP.

BUTLER: WOULD YOU LIKE TO HEAR THIS MESSAGE?
(LCD: Reply? —)

If you press YES:

The message number will appear on the LCD and your message will be replayed. (Note: BUTLER may say PLEASE WAIT (LCD: Please Wait) and there will be a short delay while it searches for the MESSAGE on the tape.)

BUTLER: ENTER YES IF THIS MESSAGE IS CORRECT. IF NOT ENTER NO.
(LCD: Yes for O.K.)

If you enter YES:

BUTLER: YES MASTER.

If you enter NO:

BUTLER: ENTER START TO TAPE YOUR MESSAGE. PRESS STOP WHEN COMPLETE.
(LCD: Yes to start —)

This will record over the previous message.

Tracks 2 thru 6 are used for recording private outgoing messages which can be accessed by pressing the proper keys on a remote touchtone telephone.

Press PROGRAM, MESSAGES.

BUTLER: ENTER THE MESSAGE NUMBER MASTER.
(LCD: Message —)

Enter 2 and STORE.

BUTLER repeats the number and it shows on the LCD.

BUTLER: ENTER THE ACCESS CODE NUMBER FOR THIS MESSAGE. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: Access code —)

(This is a 1 to 4 digit secret code number which you have given to someone. It enables them to call in and receive a recorded message exclusively for them.)
Enter the 1 to 4 digit number for the person to whom you want this message to go.

BUTLER: ENTER START TO TAPE YOUR MESSAGE. PRESS STOP WHEN COMPLETE.
(LCD: Yes to start —)

Press START and tape your message, press STOP when complete.

BUTLER: WOULD YOU LIKE TO HEAR THIS MESSAGE?
(LCD: Replay? —)

Press YES and your message will be replayed.

(LCD: Message 2 - access code)

BUTLER: ENTER YES IF THIS MESSAGE IS CORRECT. IF NOT ENTER NO.
(LCD: Yes for O.K.)

If the message is O.K. enter YES, if not enter NO and you can re-tape it.
Repeat this procedure to record secret messages or MESSAGE numbers 3 thru 6.

To use the MESSAGE MANAGER OPERATION:

IMPORTANT: ANS SET must be activated for the BUTLER to answer the telephone.

When the BUTLER answers the telephone the standard message which you have recorded on MESSAGE 1 will be played. If the caller has an ACCESS CODE he will press the star (★) key on his telephone which is the signal to the BUTLER that he is authorized to take control. When the (★) key is pressed:

BUTLER: PLEASE ENTER YOUR ACCESS CODE NUMBER. PRESS THE STAR KEY WHEN COMPLETE.

Caller will then press the numbers of his access code SLOWLY, allowing the BUTLER to repeat each number as it is pressed, then the (★) key. The BUTLER will then ask the caller to wait while the message is found. The message for that access code will then be played.

BUTLER: PRESS THE ONE KEY TO LEAVE A MESSAGE FOR MY MASTER. PRESS THE ZERO KEY TO HANG UP. PRESS THE STAR KEY TO CHANGE THE SECRET MESSAGE. PRESS THE POUND KEY TO REPEAT MESSAGE.

If you press the 1 key:

BUTLER: AT THE SOUND OF THE TONE PLEASE LEAVE A MESSAGE FOR MY MASTER.

If you press the ★ key:

BUTLER: YOU HAVE 45 SECONDS OF MESSAGE TIME. PLEASE WAIT FOR THE TONE BEFORE SPEAKING. PRESS THE STAR KEY WHEN COMPLETE.

The tone will sound and, as the BUTLER said, you have 45 seconds which will record over the message you just received. (This is also convenient in case the BUTLER MASTER is away from home and has to change the message for the person who has this access code.)

THERE IS NO TONE AT THE END OF THE 45 SECONDS.

BUTLER: PRESS THE STAR KEY IF YOU WOULD LIKE TO PLAY BACK THIS MESSAGE. IF NOT PRESS THE POUND KEY.

The BUTLER will then hang up if no key is received for 15 seconds.

When the MESSAGE REC light is flashing it means that you have messages on the answering machine. Press ANS SET and they will be played back to you. The BUTLER will tell you when all the messages have been played. IN ORDER TO CHECK CHANGES TO THE SECRET MESSAGES, YOU MUST READ MESSAGES 2 THRU 6 SEPARATELY.

REMEMBER: ANS SET MUST BE ON IN ORDER FOR THE ANSWERING MACHINE, SECRET ACCESS AND REMOTE CONTROL PROGRAMS TO WORK.

Track 7 is reserved for the Alarm System's outgoing message and Track 8 for the Fire System's outgoing message and they are both programmed the same as MESSAGE 1. In both cases the BUTLER's voice will first announce: (When activating an emergency call).

"IMPORTANT MESSAGE, IMPORTANT MESSAGE." then give the day and time. Your recorded message will then start.

We recommend the following be given during these messages:
1. Your name.
2. Your location.
3. Nature of the emergency.
4. Repeat the location.
5. Ask for help.

A good format is:
"This is (your name) at (your address). An intrusion (or fire) has been detected. Please send help to (your address) immediately."

To review your OUTGOING MESSAGES, press READ, then MESSAGE.

BUTLER: PLEASE SELECT DESIRED MESSAGE.
(LCD: Message —)

Press the number of the message you would like to hear and STORE.

BUTLER: PLEASE WAIT.
(LCD: Message # — access code)

There will be a short delay while the correct message is found and then it will be replayed.

Messages 1 thru 8 may be read by following this procedure.

USING ANSWERING MACHINE

To put your BUTLER in answering mode, press the ANS SET key. This will cause the BUTLER to act as a normal answering machine. If you want to put the BUTLER in announce only mode, then press the ANS ONLY key next. (Refer to the FEATURE key section to control how the BUTLER will act in the announce only mode.)

If you have received messages, the MESSAGE REC LED will flash.

To play back messages received on your BUTLER's general incoming message tape, press the ANS SET key. The BUTLER will automatically rewind the tape, announce how many messages are stored and display that information on the LCD. It will then play the messages. You can skip forward or backward one message at a time, by pressing the (← or →) key.

You can review and change the contents of both tapes from any touchtone telephone following procedures detailed in the Remote Control Operation section.

SECURITY SYSTEM OPERATION

The first thing you should do is adjust your BUTLER alarm sensors.

Your BUTLER Home Computer Systems comes with one SECURITY module, switch selectable for either BURGLARY or FIRE alarm modes. It also includes the FIRE ALARM SENSOR so that you can set up your Fire alarm system immediately. Additional SECURITY modules may be purchased direct from Total Computer Systems as discussed near the back of this book. You may also buy a range of security sensor devices from TCS but the BUTLER SECURITY module is designed to work with most good quality sensors from other manufacturers.

SETTING SECURITY MODULES:

You must choose one of the 10 frequency settings by turning the dials on the back panel of your BUTLER to the selected number, then adjust your SECURITY modules to the same setting with the green SECURITY SETTING dial on each module.

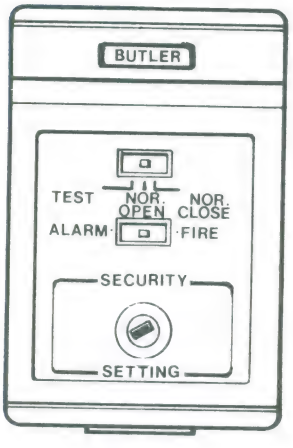


Figure 8

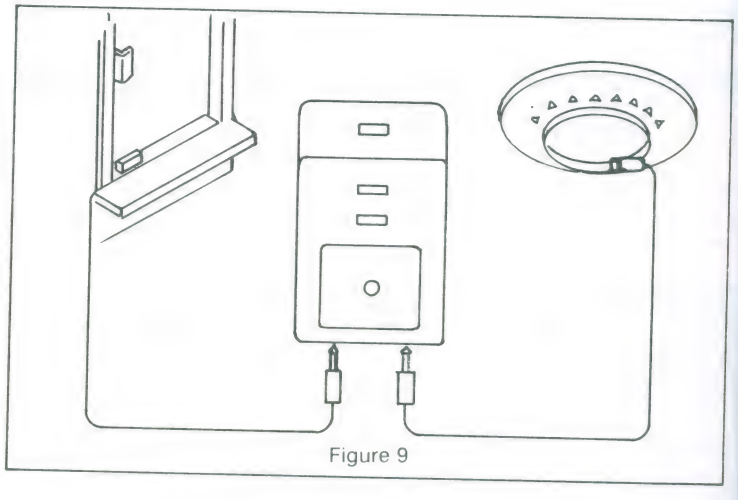


Figure 9

Which switch you select depends on the function you are working with. If your SECURITY module is set for the Fire function, then set the FIRE dial. If you are dealing with an intrusion then set the ALARM DIAL.

To adjust a SECURITY module simply set the upper selector switch to TEST and the green dial to its full counter clockwise position and press PROGRAM, FEATURE 9 (Alarm Device Tuning Program). Make sure you have selected the function you want, FIRE or ALARM, then plug the module into an outlet very close to your BUTLER. (In test mode the module is on very low power.)

Turn the green dial very slowly clockwise until you hear the BUTLER voice say "Alarm Detected" and see the ALARM LED flash.

Now remove the SECURITY module from the outlet, then plug the module back in. If the "Alarm Detected" cycle does not restart, turn the green dial back until you can pull the module out of the socket, and when reinserted, the BUTLER will say, "ALARM DETECTED". Your BUTLER console and the SECURITY module will then be tuned together and ready to go into operation.

If a group code was programmed for the lights in the program alarm mode, then when the BUTLER says "ALARM DETECTED" OR "FIRE DETECTED", the lights with that group code will flash on and off. This will allow you to check your path out of the house in case of an emergency.

You must then install a high quality alkaline 9V battery in the module, set the upper selector switch to NORMALLY OPEN or NORMALLY CLOSED, depending on the type of sensor you're using. You may now move the module to its intended location and connect the proper sensing devices.

If you're using the supplied SMOKE DETECTOR SENSOR, you should set it to NOR OPEN and FIRE.

Attach the BUTLER SENSOR to (or within two inches of) your, user supplied, smoke detector. Plug the SECURITY module into a nearby outlet and plug the SENSOR's plug into the jack labeled FIRE on the bottom of the module.

(Note: If no outlet is near enough to the smoke detector, you may use an ordinary extension cord to reach one.)

PROGRAMMING YOUR ALARM

You must now tell your BUTLER information it needs to control your alarm system. This information is needed for both the BURGLARY and FIRE alarm systems.

To do this press the PROGRAM key followed by the ALARM key. The following dialogue shows the questions you will be asked, answer each question with information needed.

BUTLER: TO PROGRAM THE ALARM SYSTEM PLEASE ANSWER EACH QUESTION. TO REPEAT A QUESTION PRESS THE ALARM KEY.

(LCD: Program —)

BUTLER: THE DELAYED EXIT TIME IS SET FOR (Time) SECONDS. IF CORRECT PRESS THE YES KEY, PRESS NO KEY TO CHANGE. (The DELAYED EXIT TIME is the time you will need to leave your house after you turn on the alarm. This time will be counted down by the BUTLER and allow you to leave your house without setting off the alarm.)

LCD: Delay exit —)

If you press the NO key:

BUTLER: ENTER THE DELAYED EXIT TIME FOR THE BURGLAR ALARM SYSTEM. PRESS THE STORE KEY WHEN COMPLETE.

(LCD: Delay exit: —)

Enter time in seconds.

If you press YES:

BUTLER: THE DELAYED ENTRY TIME IS SET FOR (Time) SECONDS. IF CORRECT PRESS THE YES KEY, PRESS NO KEY TO CHANGE. (The DELAYED ENTRY TIME is needed to allow you to enter your house and turn off the BUTLER ALARM before it goes off. You do so by pressing the first two digits of your secret access code on the phone keypad.)

(LCD: Delay entry: —)

If you press the NO key:

BUTLER: ENTER THE DELAYED ENTRY TIME FOR THE BURGLAR ALARM SYSTEM.

(LCD: Delay entry: —)

Enter the time in seconds.

If you press YES:

BUTLER: THE ALARM BELL ON TIME IS SET FOR (Time) MINUTES. IF CORRECT PRESS THE YES KEY, PRESS NO KEY TO CHANGE. (The BELL ON TIME tells your BUTLER how long you want your ALARM BELL to sound in minutes in the even of an alarm.)

(LCD: Bell on: —)

If you press NO:

BUTLER: WHAT IS THE ALARM BELL ON TIME FOR THE BURGLAR ALARM SYSTEM?

THE TIME IS IN MINUTES. PRESS THE STORE KEY WHEN COMPLETE.

(LCD: Bell on: —)

Press the number for the minutes that you want the alarm bell to ring.

Note:
The time will be in minutes. The time "ON" also depends on your Real Time Clock. This means the time "ON" is + or - 30 seconds. Example: 4 minute bell "ON" time can be anywhere between 3 min. 30 sec. and 4 min. 30 sec.

If you press YES:

BUTLER: SHOULD YOUR LIGHTS TURN ON DURING A BURGLAR OR FIRE ALARM?

(LCD: Yes? or No?)

If you press YES:

BUTLER: THE GROUP ADDRESS IS ZERO MASTER. IF CORRECT PRESS THE YES KEY, PRESS NO KEY TO CHANGE.

(LCD: Group code —)

(Where "—" is a group address (the group address is the letter A-P on each module, A=01, P=16) the LCD will show, for example, "GROUP=12". Answering this question will tell the BUTLER if you want your lights to turn on in the event of an alarm. All lights connected to modules with this group address, regardless of their device address setting, will be turned on by the BUTLER in the event of an alarm.

There is one special case however. Any device with the above group address and a device address of 16 will be turned on in the event of an alarm and turned off when the alarm bell is turned off. This allows you to use an APPLIANCE MODULE to turn on some appliance or bell without using the special BUTLER ALARM socket on the back panel of the BUTLER. If you want your lights to turn on and off with the bell, then use this device address (address 16). If you do not want your lights to turn on, enter NO in answer to the previous question.

If you press YES:

BUTLER: THERE IS NO PHONE NUMBER FOR THE BURGLAR ALARM. TO ENTER ONE PRESS THE YES KEY.
(LCD: Yes? or No?)

If you press YES:

BUTLER: ENTER THE BURGLAR ALARM NUMBER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: Alarm: —)

Enter police or other emergency number to be called.

BUTLER: THERE IS NO PHONE NUMBER FOR THE FIRE ALARM. TO ENTER ONE PRESS THE YES KEY.
(LCD: Yes? or No?)

If you press YES:

BUTLER: ENTER THE FIRE ALARM NUMBER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: FIRE : —)

Enter the fire alarm number.

The BUTLER will also ask for phone backup numbers. These numbers will be called after your FIRE or BURGLARY numbers have been called. There are three backup numbers.

BUTLER: THERE IS NO PHONE NUMBER FOR THE FIRST BACK UP, TO ENTER ONE PRESS THE YES KEY.
(LCD: Yes? or No?)

If you press YES:

BUTLER: ENTER THE FIRST BACK UP NUMBER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: 1st —)

Enter the first back up number.

BUTLER: THERE IS NO PHONE NUMBER FOR THE SECOND BACK UP. TO ENTER ONE PRESS THE YES KEY.
(LCD: Yes? or No?)

If you press the YES key:

BUTLER: ENTER THE SECOND BACK UP NUMBER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: 2nd —)

Enter the second back up number.

BUTLER: THERE IS NO PHONE NUMBER FOR THE THIRD BACK UP. TO ENTER ONE, PRESS THE YES KEY.
(LCD: Yes? or No?)

If you press YES:

BUTLER: ENTER THE THIRD BACK UP NUMBER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: 3rd —)

BUTLER is now programmed to turn on the alarm when you leave your home and call the police, fire and other designated numbers in the event of an emergency. When the BUTLER starts repeating questions you can either change your information or press RESET to go back to the normal mode. To check your alarm settings you may read the alarm as follows:

The BUTLER will now tell you what it has in memory. If nothing was in memory it would say the following. If you had programmed information, as shown above, then that information would be spoken:

BUTLER: THE DELAYED EXIT TIME IS SET FOR 0 SECONDS.
(LCD: Delay exit: —)

BUTLER: THE DELAYED ENTRY TIME IS SET FOR 0 SECONDS.
(LCD: Delay exit: —)

BUTLER: THE ALARM BELL ON TIME IS SET FOR 0 MINUTE
(LCD: Bell on:—)

BUTLER: I WILL NOT TURN LIGHT ON.
(LCD: NO lights on)

BUTLER: THERE IS NO PHONE NUMBER FOR THE BURGLAR ALARM.
(LCD: No alarm number)

BUTLER: THERE IS NO PHONE NUMBER FOR THE FIRE ALARM.
(LCD: No fire number)

BUTLER: THERE IS NO PHONE NUMBER FOR THE FIRST BACKUP.
(LCD: No 1st backup)

BUTLER: THERE IS NO PHONE NUMBER FOR THE SECOND BACKUP.
(LCD: No 2nd backup)

BUTLER: THERE IS NO PHONE NUMBER FOR THE THIRD BACKUP.
(LCD: No 3rd backup)

BUTLER: YES MASTER.

To control your alarm, press the ALARM key. The BUTLER will ask if you want to turn your alarm on or off. You do this buy pressing the ON/OFF key. The first press of the ALARM key will allow you to turn on or off the BURGLAR ALARM system. To control the FIRE ALARM system, press the ALARM key again. Each press of the ALARM key will toggle you between the BURGLARY and FIRE alarm systems. To leave this section press the RESET KEY.

Press ALARM key.

BUTLER: THE BURGLAR ALARM SYSTEM IS OFF. PRESS THE ON KEY TO TURN IT ON. TO EXIT PRESS THE RESET KEY.
(LCD: Burglar OFF —)

Press ON key or RESET key.

Press ALARM key.

BUTLER: THE FIRE ALARM SYSTEM IS OFF. PRESS THE ON KEY TO TURN IT ON. TO EXIT PRESS THE RESET KEY.
(LCD: Fire Alarm OFF —)

Press ON key or RESET key.

Press ALARM key.

BUTLER: THE BURGLAR ALARM SYSTEM IS ON. PRESS THE OFF KEY TO TURN IT OFF. TO EXIT PRESS THE RESET KEY.
(LCD: Burglary ON —)

Press ALARM again.

BUTLER: THE FIRE ALARM IS ON. PRESS THE OFF KEY TO TURN IT OFF. TO EXIT PRESS THE RESET KEY.
(LCD: Fire Alarm ON.)

Press RESET key.

BUTLER: YES MASTER!

If you have turned on the BURGLAR system, then after pressing RESET, the alarm will turn on. If a DELAYED EXIT TIME was set (as explained above), the BUTLER will start a countdown showing you how long you have before it becomes active on the LCD.

HOME CONTROL OPERATION

The HOME CONTROL section of your BUTLER uses various control modules to control your home environment.

One of each of the three major types are supplied and you may buy more direct from TCS by using the coupon which was packed with this book or by writing or calling, TCS Aftermarket Sales at (800-258-8822).

All home control modules install by simply plugging the module into a standard AC outlet or into a standard extension cord, plugged into an outlet.

In the case of the LAMP or APPLIANCE modules the device to be controlled is then plugged into the outlet provided on the module.

The THERMOSTAT module must be installed directly below the home's thermostat by means of the self adhesive patch on its back and the line cord must be plugged into a LAMP MODULE. Do not plug your THERMOSTAT directly into the AC OUTLET as the BUTLER will not be able to control it. (A regular extension cord may be used if no outlet is close enough to the thermostat.)

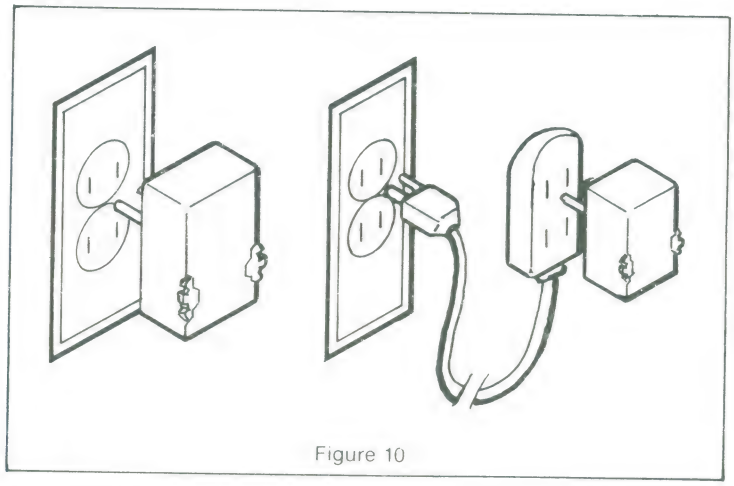


Figure 10

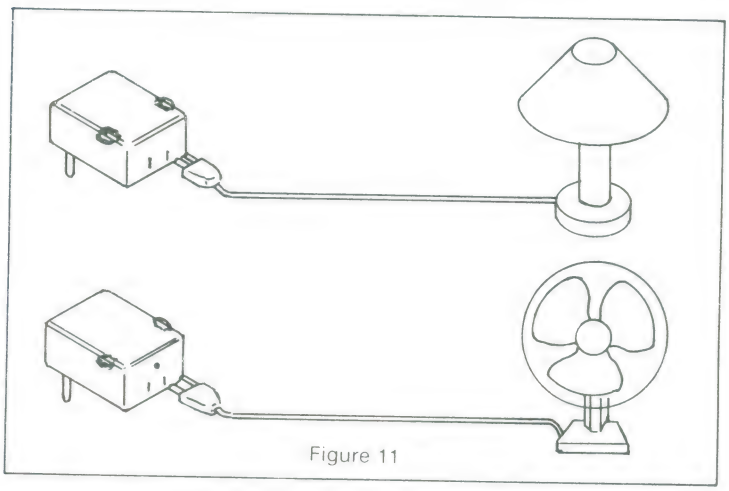


Figure 11

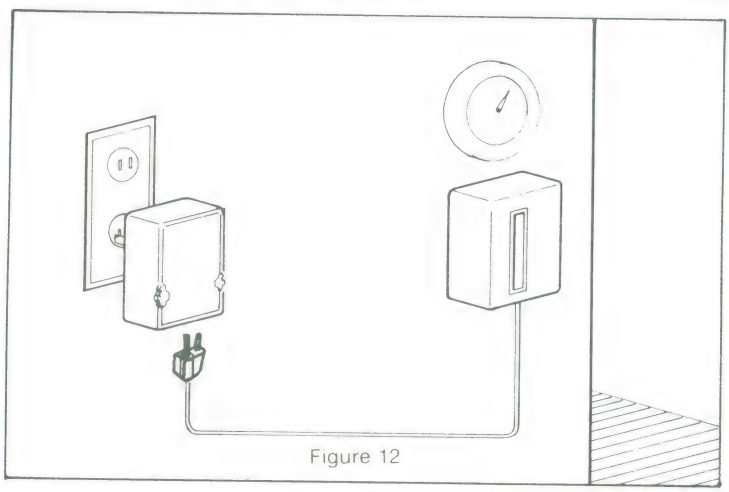


Figure 12

If you press NO:

BUTLER: ENTER THE NEW GROUP ADDRESS. PRESS THE STORE KEY WHEN COMPLETE.

Every HOME CONTROL module has two thumb wheels set into its sides as shown in Figure 13.

The LEFT wheel can be set to one of the sixteen possible GROUP codes from 01 thru 16. In most cases you'll set all your modules to the same GROUP code except those used for special security functions discussed in that section. It is possible, but unlikely, that two very close neighbors' BUTLERs could cause interference with each other unless they were set to different GROUP codes. If more than 16 devices are to be controlled you will need to use two different group settings.

(Some modules are labeled with the letters A thru P instead of the numbers 01 thru 16 on their GROUP code wheel. To use them just use the number which corresponds to the letter's place in the alphabet. For instance A=1, B=2, C=3, etc. see figure 13.)

The RIGHT wheel can be set to one of sixteen possible DEVICE codes from 01 thru 16 so an individual module can be identified by its four digit GROUP & DEVICE code.

To control these device directly from your BUTLER's keyboard press HOME CTRL then follow your BUTLER's spoken directions to key in GROUP & DEVICE numbers plus the operating instruction ON, OFF or some brightness level between 1 (brightest) and 31 (dimmest).

Press HOME CONTROL:

BUTLER: WHAT IS THE ADDRESS OF THE MODULE MASTER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: Address: —)

Press Group code for Device to be controlled and STORE. Example: if your group address is 10 (letter J) and your device address is 05 then when the BUTLER asks for the module address, press in 1005, followed by pressing the STORE key.

After you've given your BUTLER the four digit code for a device it will remember that GROUP code so you can return to controlling the same device, or any other device with the same GROUP code by pressing HOME CTRL plus the digits for the device code only.

BUTLER: PLEASE PRESS YES FOR ON, NO FOR OFF, OR ONE TO THIRTY ONE FOR BRIGHTNESS.
(LCD: Yes? or No?)

(Note: Brightness level 10 provides soft lighting, levels numbered higher than 20 are practically off.)

Press chosen control key(s) or selected number.

BUTLER: YES, MASTER.
(LCD: Yes Master.)

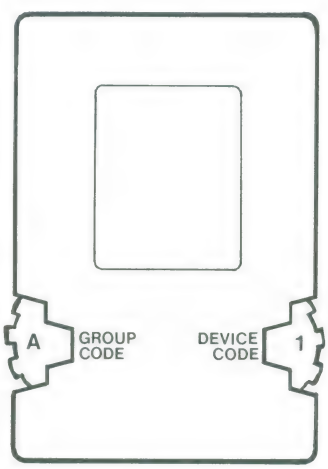
BUTLER will now control the device you commanded.

AFTER YOU'VE GOTTEN TO KNOW THE SEQUENCE OF COMMANDS NEEDED TO INSTRUCT YOUR BUTLER YOU CAN RUN THROUGH THEM WITHOUT WAITING FOR COMPLETE QUESTIONS.

(Note: you can turn all the devices with the same GROUP code OFF by using DEVICE code 00 plus the usual OFF command. You can also use the 00 device code to turn ON all LAMP modules with the same GROUP code.)

The LAMP modules may be ON or OFF or at some intermediate brightness level but they cannot supply more than 300 watts and they will not work with flourescent lights.

The APPLIANCE module can only be turned ON or OFF but it can control devices using up to 500 watts. You may not turn ON an appliance module with 00 code.



A - 01	I - 09
B - 02	J - 10
C - 03	K - 11
D - 04	L - 12
E - 05	M - 13
F - 06	N - 14
G - 07	O - 15
H - 08	P - 16

Figure 13

The BUTLER THERMOSTAT CONTROL module, which must be plugged into a BUTLER lamp module, is controlled in a manner similar to the LAMP module except that the "brightness" settings between 1 and 31 correspond to steps in temperature adjustment.

The BUTLER THERMOSTAT MODULE works by generating a small amount of heat and "fooling" your thermostat into detecting a temperature higher than the actual room temperature. Therefore you should set your thermostat a few degrees higher than the room temperature you want, then program the brightness setting for the BUTLER THERMOSTAT CONTROL module at the middle (10) of its range to bring the room temperature down to the desired level. You can then control your room temperature through your BUTLER by entering a lower "brightness' number to make the room cooler, or a higher number to make it warmer.

Individual installations and thermostats differ widely, so you'll have to determine exactly how many degrees equals one "brightness" number for your installation by experiment. If you start with your thermostat at 80 degrees and the BUTLER's "brightness" set at 15 you can then experiment with thermostat settings for a few days until you've reached the desired room temperature. Then set the BUTLER "brightness" number to 14 for a day and note how much cooler the room temperature becomes. That amount will be the number of degrees one "brightness" number equals for your installation.

Room Air Conditioning can be controlled by plugging your A/C power cord into a BUTLER APPLIANCE module then using your BUTLER to turn it on and off.

Because most HOME CTRL orders are given to your BUTLER on the telephone keypad, directing your BUTLER from any touchtone phone is much the same as directing it from the keyboard. Remote control procedures are treated in detail in the Remote Control Operations section.

PROGRAMMING YOUR BUTLER FOR AUTOMATIC CONTROL

Your BUTLER can be made to control the devices in your house by programming the BUTLER memory with the times you want these devices to turn ON or OFF, BRIGHTER, or DIMMER. These times will be used to control your lights, appliances and the BUTLER THERMOSTAT MODULE.

To enter this section press PROGRAM, then HOME CTRL.

BUTLER: I WILL NOW ASK ABOUT THE HOME CONTROL SYSTEM. PLEASE ANSWER EACH QUESTION. TO REPEAT A QUESTION PRESS THE HOME CONTROL KEY. ENTER A TWO NUMBER ADDRESS TO STORE THIS RECORD. PRESS THE STORE KEY WHEN COMPLETE.

(LCD: Record —)

Press 2 digit number for address code. This can be any number between 01 and 50 and is the location in the BUTLER's memory where it will store this particular piece of programming. (Note code and device on pull-out chart.)

BUTLER: WHAT IS THE ADDRESS OF THE MODULE MASTER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: Address —)

Press numbers to select Group and Device. (Module Address is device number.)

BUTLER: ENTER ONE FOR APPLIANCE, TWO FOR LAMP.
(LCD: 1=Appl 2=Lamp)

Press 2 key.

BUTLER: ENTER THE BRIGHTNESS LEVEL FOR THIS LAMP. THE BRIGHTNESS LEVEL IS A NUMBER 1 TO 31,1 IS THE BRIGHTEST LEVEL.
(LCD: Brightness? —)

Press selected number and store.

Press 1 key.

BUTLER: ENTER THE DAY OF WEEK TO TURN ON. MONDAY IS ONE, SUNDAY WOULD BE SEVEN. PRESS EIGHT FOR DAILY.
(LCD: On day: —)

Press selected number and STORE.

BUTLER: PRESS ONE FOR AM, TWO FOR PM.
(LCD: 1=AM 2=PM)

Press selected number and STORE.

BUTLER: ENTER THE TURN ON HOURS.
(LCD: On hour: —)

Press chosen number and STORE.

BUTLER: ENTER THE TURN ON MINUTE TIME.
(LCD: On minute: —)

Press chosen number and STORE.

BUTLER: EACH DAY (or name of day) (chosen time) IS THE DAY TO TURN ON DEVICE (chosen Group and Device code). BRIGHTNESS LEVEL (If any) IF CORRECT PRESS THE YES KEY, PRESS NO KEY TO CHANGE.

Press NO to re-program this record, or:

Press YES to store this record and move ahead.

BUTLER: ENTER THE DAY OF WEEK TO TURN OFF. MONDAY IS ONE, SUNDAY WOULD BE SEVEN. PRESS EIGHT FOR DAILY.
(LCD: Off day —)

Press number for selected day(s) and STORE.

BUTLER: PRESS ONE FOR AM, TWO FOR PM.
(LCD: 1=AM 2=PM)

Press selected number and STORE.

BUTLER: ENTER THE TURN OFF HOUR.
(LCD: Off hour: —)

Press chosen number and STORE.

BUTLER: ENTER THE TURN OFF MINUTE TIME.
(LCD: Off minute: —)

Press chosen number(s) and Store.

BUTLER: EACH DAY (or name of day) (chosen time) IS THE DAY TURN OFF DEVICE (chosen Group and Device code). IF CORRECT, PRESS THE YES KEY, PRESS NO KEY TO CHANGE.
(LCD: Yes? or No? —)

Press NO to re-program this record or,

Press YES to store and continue.

The BUTLER is smart enough to fool burglars by not turning your lights ON or OFF at the same time each day. This is done by having the RANDOM TIME FACTOR "ON". If the RANDOM TIME is ON the BUTLER will add or subtract 30 minutes from your set On/Off times. This will give your house a lived-in look even when you're not home.

BUTLER: THE RANDOM FACTOR FOR THIS MODULE IS ON. IF CORRECT PRESS THE YES KEY, PRESS NO KEY TO CHANGE.
(LCD: Random factor)

Press NO to turn Random Factor OFF. If it is OFF press YES key to turn on.
OR
Press YES to leave Random Factor unchanged.

(Note: Up to 50 two-digit addresses can be programmed using this dialogue.)

If you do not want to program, but would like to check on what information you have in a record, press READ, HOME CTRL, and then the record number and STORE.

BUTLER: ENTER THE NUMBER OF THE RECORD YOU WANT. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: Record: —)

Press chosen record number and STORE.

BUTLER: FOR RECORD (chosen number) EACH DAY (or name of day) (Programmed time) IS THE DAY TO TURN ON DEVICE (programmed device code). BRIGHTNESS LEVEL (If any) EACH DAY (or name of day) (programmed time) IS THE DAY TO TURN OFF (programmed device). THE RANDOM FACTOR FOR THIS MODULE IS (ON/OFF).

You can keep a record of what is contained in your BUTLER's memory by using the handy pull out tray. You should use this tray whenever you enter or change a record.

FEATURE KEY OPERATION

There are nine features which can be selected by pressing either PROGRAM or READ, followed by the FEATURE key and an appropriate number. In every case your BUTLER's voice will then ask a series of question, or give information, which can be used to control one of the features described below.

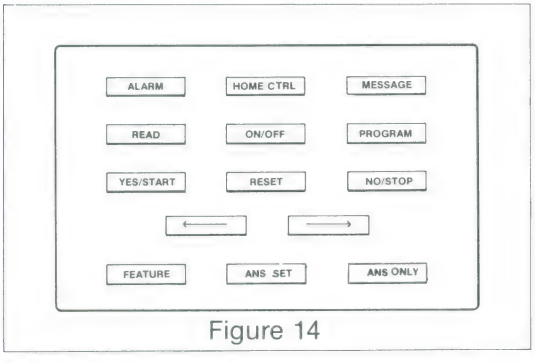


Figure 14

The information you must provide can be in the form of numbers, which must be followed by pressing the STORE key, or using one of the other keys (YES/START, NO/STOP) to initiate the chosen feature.

To find out what is programmed into any feature, press READ then the desired feature key. The required information will be spoken by your BUTLER's voice and displayed on the LCD.

When your BUTLER requires an answer to a question that will turn a feature On or Off, the YES/START key is used for ON, and the NO/STOP key is used for OFF.

Your BUTLER's numbered Features are:

1. ALARM VOICE ON/OFF during "Help" phone calls. This means the BUTLER's speaker can be turned off during emergency phone calls so that the intruder will not be alerted.
2. CHANGE MASTER ACCESS "ID"CODE.
3. PROGRAMMED PHONE CALLS. This feature allows you to have the BUTLER call a phone number at a time you have programmed and play any of the tracks.
4. WAKE UP allows you to use the BUTLER as an alarm clock.
5. THREE MINUTE WARNING TONE during phone conversations reminds you how long you have been on the phone by beeping every three minutes.
6. TEN SECOND WARNING TONE when recording phone conversations which can be turned off.
7. ANNOUNCE ONLY MODE uses BUTLER's voice or track 2 for outgoing "Message Tape Full" message. This allows you to use track 2 or the BUTLER's voice when the incoming message tape is full or when you are in the announce only mode.
8. BUTLER's VOICE ON/OFF allows total turn off of BUTLER's voice.
9. SECURITY MODULE SET UP PROGRAM. Used to adjust the security modules so that they are "in tune" with the BUTLER.

As with the other sections to leave any FEATURE press the RESET key at any time.

Note: the following are the complete transcriptions of your BUTLER's questions/instructions. You may find it helpful to read through them as you operate your BUTLER for the first time.

Programming Features 1 thru 9

To program each feature, press PROGRAM key then FEATURE key.

BUTLER: PLEASE PRESS THE KEY FOR THE FEATURE YOU WANT MASTER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: Feature: —)

Press selected number key and store key. This is the sequence used to enter any feature. You must repeat the above sequence each time you want to enter a different feature.

BUTLER says chosen number, then begins that programming dialogue.

ALARM VOICE ON/OFF

Press 1 then STORE.

BUTLER: PRESS THE YES KEY IF I SHOULD TURN ON MY VOICE DURING A BURGLAR ALARM. IF NOT ENTER NO.
(LCD: Speaker on? —)

Press YES/START or NO/STOP.

BUTLER: YES MASTER.
(LCD: Yes Master.)

BUTLER will now either turn on voice or not, as requested, during Burglar alarm.

CHANGE MASTER ACCESS 1D CODE

Press 2 then STORE.

BUTLER: ENTER A SECRET ACCESS NUMBER MASTER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: Secret : —)

Press selected number keys then STORE.

BUTLER: says selected numbers, then YES MASTER.
(LCD: Yes Master.)

BUTLER has now stored your secret access number by which you can identify yourself from any touchtone telephone as being the master and authorized to command it.

PROGRAMMED PHONE CALL

Press 3 then STORE.

BUTLER: PLEASE PRESS THE YES KEY IF YOU WANT TO SET UP A CALL MASTER. IF NOT, ENTER NO.
(LCD: Set up call?)

Press YES/START.

BUTLER: ENTER DAY OF WEEK YOU WANT TO CALL MASTER. MONDAY IS ONE, SUNDAY WOULD BE SEVEN. PRESS EIGHT FOR DAILY.
(LCD: Call day?)

Press selected number.

BUTLER says selected number.

Press STORE.

BUTLER: PRESS ONE FOR AM, TWO FOR PM.
(LCD: 1=AM 2=PM)

Press 1 or 2 then STORE.

BUTLER: ENTER THE HOUR YOU WANT THIS NUMBER TO BE CALLED.
(LCD: Call hour: —)

Press one or two digits for selected hour, then STORE.

BUTLER: ENTER THE MINUTE YOU WANT THIS NUMBER TO BE CALLED.
(LCD: Call minute: —)

Press one or two digits for selected minute, then STORE.

BUTLER: WHICH MESSAGE NUMBER WILL BE USED?
(LCD: Message —)

Press a number 2 to 6 to choose which outgoing message the BUTLER should use to call, then STORE.

BUTLER: WHAT IS THE PHONE NUMBER?
(LCD: Call: —)

Press numbers for the phone to be called, then STORE.

BUTLER: YES MASTER.

BUTLER is now programmed to call a specific number at a specific time and give your message.

WAKE UP CALL

Press 4 then STORE.

BUTLER: PLEASE PRESS THE YES KEY IF YOU WANT TO SET UP A WAKE UP TIME MASTER. IF NOT ENTER NO.
(LCD: Wakeup time?)

If you press NO:

BUTLER: YES MASTER.

If you press YES:

BUTLER: ENTER THE DAY OF THE WEEK YOU WANT TO WAKE UP. MONDAY IS ONE, SUNDAY WOULD BE SEVEN. PRESS EIGHT FOR DAILY.
(LCD: Wake day: —)

Press the number of the day of the week you want a wake up call then STORE.

BUTLER: PRESS ONE FOR AM, TWO FOR PM.
(LCD: 1=AM 2=PM)

Press the appropriate key then STORE.

BUTLER: ENTER THE WAKE UP HOUR.
(LCD: Wake hour:—)

Press the number(s) for the hour you want the call to be made, then STORE.

BUTLER: ENTER THE WAKE UP MINUTE.
(LCD: Wake minute: —)

Press the number(s) for the minute you want the call to be made, then STORE.

BUTLER: YES MASTER.

BUTLER is now programmed to wake you on the day(s) and at the time you have requested.

THREE MINUTE WARNING TONE

Press 5 then STORE.

BUTLER: PRESS THE YES KEY FOR A THREE-MINUTE TONE MASTER. IF NOT ENTER NO.
(LCD: Warning tone ON?)

If you press YES:

BUTLER: YES MASTER.

BUTLER is now programmed to give a warning tone every three minutes during your telephone conversations.

TEN SECOND WARNING TONE

Press 6 then STORE.

BUTLER: PRESS THE YES KEY IF YOU WANT A WARNING TONE WHEN TAPING PHONE. IF NOT ENTER NO.
(LCD: Rec. tone ON?)

Press YES/START KEY or NO/STOP KEY.

BUTLER: YES MASTER.

BUTLER will or will not give a warning tone as you requested during telephone conversations that are being taped.

ANNOUNCE ONLY MODE

Press 7 then STORE.

BUTLER: SHOULD I USE MY VOICE OR MESSAGE TWO IN THE ANNOUNCE ONLY MODE? ENTER YES FOR MESSAGE TWO. ENTER NO FOR MY VOICE.
(LCD: Message=Y Voice=N)

Press YES/START key or NO/STOP key.

BUTLER: YES MASTER.

If you press YES, the tape with your pre-recorded message will be used; if you press NO, the BUTLER's voice will be used.

BUTLER: MY TAPE IS FULL, PLEASE CALL BACK LATER.

BUTLER'S VOICE ON/OFF

Press 8 then STORE.

BUTLER: SHOULD MY VOICE BE ON OR OFF MASTER? PRESS YES FOR ON OR NO FOR OFF.

Press YES/START key or NO/STOP key.

BUTLER: YES MASTER.

If you do not need the voice to help you with the programming (the information can be read on the LCD), the BUTLER's voice can be turned off. Since there is no indication of VOICE OFF (status) on the BUTLER be careful when turning BUTLER's voice off.

SECURITY MODULE SETUP PROGRAM

Press 9 then STORE.

BUTLER: THIS IS THE FIRE AND BURGLAR DEVICE SETTING MODE MASTER. TO EXIT PRESS THE RESET KEY.
(LCD: No alarms —)

Press RESET.

BUTLER: YES MASTER.

This feature puts the BUTLER's alarm system in setup mode for security module tuning and installation.

If in ALARM mode BUTLER says; FIRE DETECTED and the ALARM LED flashes when the module is adjusted.

To **READ** each **FEATURE**, 1 thru 9, press READ, then FEATURE.

BUTLER: PLEASE PRESS THE KEY FOR THE FEATURE YOU WANT, MASTER. PRESS THE STORE KEY WHEN COMPLETE.
(LCD: Feature? —)

Press the number you want then the STORE key. This sequence must be repeated before entering any feature.

VOICE ON/OFF DURING ALARM

Press 1 then STORE.

BUTLER: MY VOICE WILL BE ON (or OFF) DURING A BURGLAR ALARM. YES MASTER.
(LCD: Speaker ON —)

MASTER ACCESS ID CODE

Press 2 then STORE.

BUTLER: YOUR SECRET ACCESS CODE NUMBER IS —, YES MASTER.
(LCD: Secret —)

AUTO PHONE CALLS

Press 3 then STORE.

BUTLER: THERE IS NO CALL RECORD, MASTER.
(LCD: No call data —)

or

BUTLER: I WILL CALL NUMBER — ON EACH DAY (or name of day) (set time) USING MESSAGE (2-6). YES MASTER.
(LCD: —)

WAKE UP CALL

Press 4 then STORE.

BUTLER: NO WAKE UP TIME MASTER. YES MASTER.
(LCD: No wakeup time —)

or

BUTLER: I WILL WAKE YOU UP EACH DAY (or day of week) (time) AM (or PM). YES MASTER.
(LCD: —)

Press 5 then STORE.

BUTLER: THE THREE MINUTE WARNING TONE IS OFF (or ON). YES MASTER.
(LCD: Warning tone OFF (or ON)

TEN SECOND WARNING TONE

Press 6 then STORE

BUTLER: THE PHONE TAPE WARNING TONE IS ON (or OFF). YES MASTER.
(LCD: Rec. tone ON (or OFF)

ANNOUNCE ONLY MODE

Press 7 then STORE.

BUTLER: I WILL USE MY VOICE IN THE ANNOUNCE ONLY MODE. YES MASTER.
(LCD: Use my voice —)

or

BUTLER: I WILL USE MESSAGE TWO IN THE ANNOUNCE ONLY MODE. YES MASTER.

(LCD: Mess —)

BUTLER VOICE ON/OFF

Press 8 then STORE.

BUTLER: MY VOICE IS ON (or OFF). YES MASTER.
(LCD: My voice ON (or OFF)

SECURITY MODULE SETUP

Press 9 then STORE.

BUTLER: THIS IS THE FIRE AND BURGLAR DEVICE SETTING MODE MASTER. TO EXIT, PRESS THE RESET KEY.
(LCD: No alarms —)

(Note: This feature puts the BUTLER alarm system in setup mode for security module tuning and installation.)

You have now read the current status of what has been stored in each FEATURE of the BUTLER.

TAPE RECORDER OPERATION

The tape recorder controls shown in Figure 7 allow you to use the incoming message recorder to record dictation, memos or notes. You should replace the incoming message tape with any good quality recording cassette so you won't erase any stored incoming messages, then use the standard controls as labeled. When recording, speak toward the microphone located in the lower right hand corner of your BUTLER's control panel.

You can also use your BUTLER's tape recorder to record your phone conversations by simply pressing the REC PHONE key during a call. The BUTLER will give a 10 sec beep tone. To turn off beep tone, refer to FEATURE key section.

The built in microphone can be used to record room conversations by simply pressing the RECORD key.

You must use the standard tape controls (PAUSE, STOP, PLAY, FF (fast foreward) and REW (rewind) to control the tape.

REMOTE CONTROL OPERATION

IMPORTANT NOTICE: In order for you to access your BUTLER over the telephone it must be left in Answering Machine ON Mode.

When using the BUTLER's remote phone command mode you should listen carefully to the BUTLER's instructions and make your selections accordingly on your touchtone keypad.

To command your BUTLER over the telephone, you must place the call from a touchtone phone and press the start(★)key before or while it is sending out the standard outgoing message. If a touchtone phone is not available you may purchase any touchtone signal beeper.

When the BUTLER number is called, the answering machine comes on with the standard pre-recorded message. Press the★key to prove you are authorized to take control.

BUTLER: PLEASE ENTER YOUR ACCESS CODE NUMBER, PRESS THE STAR KEY WHEN COMPLETE.

Press your MASTER ACCESS CODE slowly, then★ (you must press a number and wait for the BUTLER to repeat it before pressing the next one). This will give you the REMOTE MAIN MENU:

BUTLER: PLEASE PICK ONE OF THE FOLLOWING FEATURES BY PRESSING THE FUNCTION KEY DESIRED.

PRESS ONE FOR ANSWERING MACHINE MESSAGES.
PRESS TWO FOR ALARM FUNCTION.
PRESS THREE FOR HOME CONTROL FUNCTION.
PRESS FOUR TO HEAR SOUNDS IN HOME.
PRESS ZERO KEY TO HANG UP.
PRESS POUND (#) KEY TO REPEAT MESSAGES.

If you press 1 for ANSWERING MACHINE MESSAGES:

BUTLER: THERE ARE — CALLS FOR YOU MASTER. FOR HELP PRESS THE POUND KEY, WHAT IS YOUR COMMAND?

If you press # key:

TO PLAY BACK ALL MESSAGES, ENTER ONE.
FOR NEXT MESSAGE PRESS THE TWO KEY.
FOR PREVIOUS MESSAGE PRESS THE THREE KEY.
FOR SAME MESSAGE PRESS SIX KEY.
TO RESET THE ANSWERING MACHINE PRESS THE NINE KEY.
TO HANG UP PRESS THE ZERO KEY.
TO RETURN TO MAIN MENU PRESS THE SEVEN KEY.
PRESS THE POUND KEY TO REPEAT MESSAGES.

The only feature which cannot be reprogrammed remotely is the ALARM. However, it can be READ and turned ON or OFF.

Press 2 for ALARM FUNCTIONS:

BUTLER: I HAVE DETECTED NO ALARMS. THIS IS THE ALARM CHANGE PROGRAM. THE BURGLAR ALARM IS OFF AND FIRE ALARM IS OFF. PRESS ONE TO EXIT, PRESS ZERO TO HANG UP, PRESS THE STAR KEY TO CHANGE, PRESS POUND KEY TO REPEAT MESSAGES.

If you press 3 for HOME CONTROL FUNCTION:

BUTLER: PRESS THE ONE KEY TO CHANGE A RECORD.

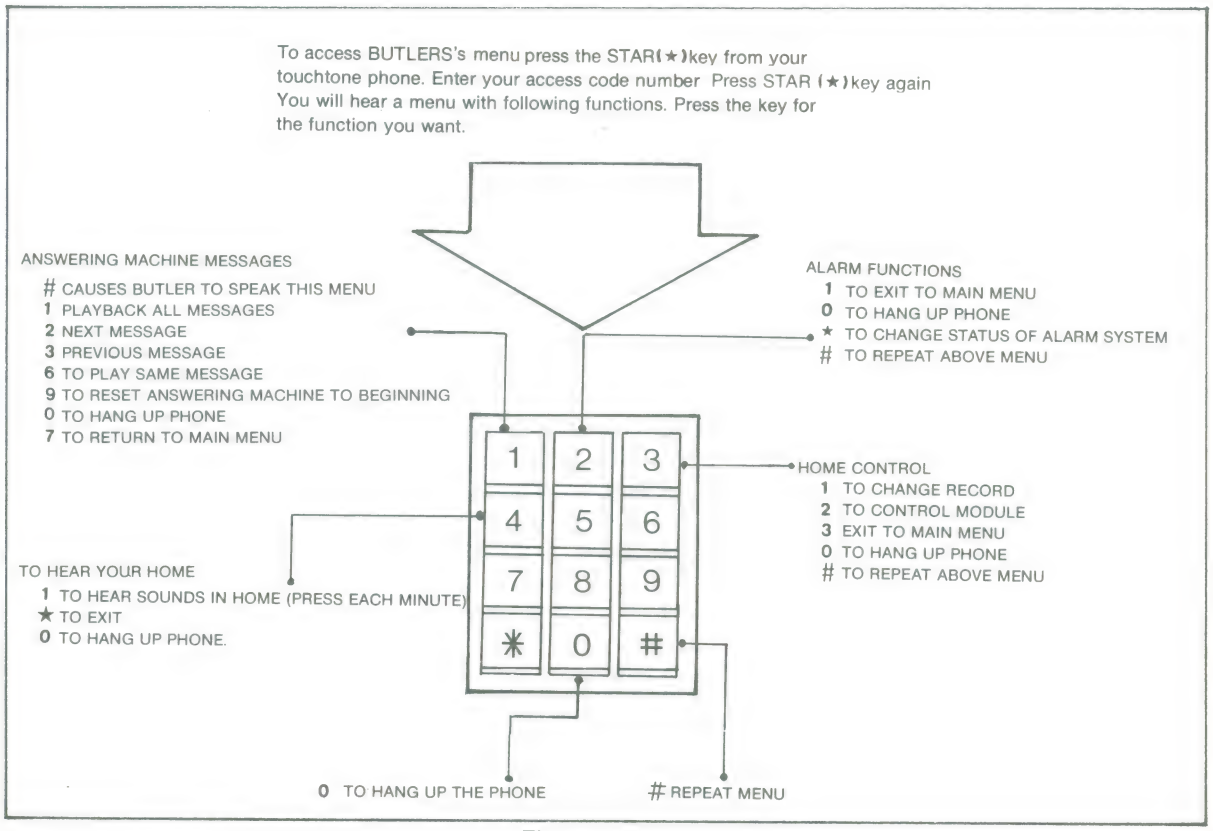

To access BUTLERS's menu press the STAR(★)key from your touchtone phone. Enter your access code number Press STAR (★)key again You will hear a menu with following functions. Press the key for the function you want.
ANSWERING MACHINE MESSAGES
CAUSES BUTLER TO SPEAK THIS MENU
1 PLAYBACK ALL MESSAGES
2 NEXT MESSAGE
3 PREVIOUS MESSAGE
6 TO PLAY SAME MESSAGE
9 TO RESET ANSWERING MACHINE TO BEGINNING
0 TO HANG UP PHONE
7 TO RETURN TO MAIN MENU
ALARM FUNCTIONS
1 TO EXIT TO MAIN MENU
0 TO HANG UP PHONE
★ TO CHANGE STATUS OF ALARM SYSTEM
TO REPEAT ABOVE MENU
HOME CONTROL
1 TO CHANGE RECORD
2 TO CONTROL MODULE
3 EXIT TO MAIN MENU
0 TO HANG UP PHONE
TO REPEAT ABOVE MENU
TO HEAR YOUR HOME
1 TO HEAR SOUNDS IN HOME (PRESS EACH MINUTE)
★ TO EXIT
0 TO HANG UP PHONE.
1 2 3
4 5 6
7 8 9
* 0 #
0 TO HANG UP THE PHONE
REPEAT MENU

Figure 15

PRESS THE TWO KEY TO CONTROL MODULE.
PRESS THE THREE KEY TO EXIT.
PRESS THE ZERO KEY TO HANG UP THE PHONE.
PRESS THE POUND KEY TO REPEAT MESSAGES.

If you press 1:

BUTLER: THIS IS THE RECORD CHANGE PROGRAM. TO EXIT PRESS THE POUND KEY. IF YOU WANT THIS PROGRAM PRESS THE STAR KEY. ENTER A TWO NUMBER ADDRESS TO STORE THIS RECORD. PRESS THE STAR KEY WHEN COMPLETE.

(As each record is completed, BUTLER will continue to give records until you press the # key.)

If you press 2:

BUTLER: WHAT IS THE ADDRESS OF THE MODULE MASTER. PRESS THE STAR KEY WHEN COMPLETE.

Press the module address number and ★:

BUTLER: PLEASE PRESS STAR FOR ON, POUND FOR OFF, OR ONE TO THIRTY ONE FOR BRIGHTNESS.

Press ★ key:

BUTLER: I WILL NOW TURN ON DEVICE (number). IF CORRECT PRESS THE STAR KEY, PRESS POUND KEY TO CHANGE.

Press ★ key:

FUNCTION COMPLETE MASTER.

If you had pressed #key:

BUTLER: I WILL NOW TURN OFF DEVICE —. IF CORRECT PRESS THE STAR KEY, PRESS POUND KEY TO CHANGE.

If you had pressed a brightness number:

BUTLER: I WILL NOW TURN ON DEVICE —, BRIGHTNESS —.

If you press 4 to HEAR SOUNDS IN HOME:

BUTLER: TO HEAR SOUNDS IN YOUR HOME PRESS ANY NUMBER KEY EACH MINUTE. PRESS THE STAR KEY TO EXIT. PRESS THE ZERO KEY TO HANG UP. PRESS THE POUND KEY TO REPEAT MESSAGES.

REMOTE MESSAGE OPERATION

To operate your BUTLER's REMOTE MESSAGE MANAGER feature you, or whomever you've given a "Secret Message" code, can gain access to one of the 5 Message Manager tracks to review and/or record a message. You may, therefore, use your BUTLER as a telephone message center when you are away from home.

To access the MESSAGE MANAGER you need only call your BUTLER from any touchtone telephone, press the ★ key during the standard outgoing message and when the BUTLER asks the caller for the access code, key in the proper 2 to 4 digit message code, followed by the ★ key. The BUTLER will then play your special message, after which you respond to your BUTLER's spoken directions and questions.

TCS BUTLER ACCESSORIES

Your new BUTLER comes complete with:

One Lamp Module
One Appliance Module
One Security Module
One Smoke/fire Detector Pickup Device
One Intrusion Sensor
One Thermostat Control Module
One C-46 cassette tape
One 8-track, 45 second, cartridge

You may purchase additional lamp and appliance modules, along with other TCS BUTLER accessories, direct from Total Computer Systems by mailing the enclosed order form, along with check, money order or credit card number, to the address on the order form.

You may also order by phone by calling (800)-258-8822 . Please have your VISA, MasterCard or American Express number ready.

BUTLER OPERATIONAL NOTES AND TROUBLE GUIDE

1. INTERFERENCE INFORMATION. Part 15 of FCC Rules.

Computers and electronic telephones generate and use radio frequency energy and if not installed and used in accordance with the instructions, may cause interference to radio and TV reception. Your BUTLER has been tested and found to comply with the limits for a Class B computing device in accordance with the specification in Subject J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, that does not guarantee that interference will not sometimes occur in particular installations.

If this unit does cause interference with radio or TV reception, you should try to correct the interference by one or more of the following measures.

1. Reorient the receiving TV or radio antenna.
2. Move the TV, or radio or other receiver, as far away as is convenient from the BUTLER, or the BUTLER, away from it.
3. Plug your BUTLER into a different AC outlet so that your radio and TV receivers are on different branch circuits.

You may find the Federal Communications Commission booklet helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Stock No. 004-000-00345-4.

2. TROUBLE CHECK

A. If the telephone part of your BUTLER does not function properly or becomes inoperative, there are several things you should check before you return it to your place of purchase:

   1. Check to see that your telephone set (not the special features) is working. Listen for a dial tone. If a dial tone is not heard, try connecting your telephone set to another modular jack.

   2. Inspect the line cord connections at the wall jack and at the handset modular jack. Make sure all plugs are locked in place.

B. If the answering machine does not operate properly or becomes inoperative, please check the following:

   1. Make sure the 8 track and cassette are inserted properly with label side up.

2. Check the ringer adjust setting and make sure you are in the ANS SET mode.

C. If the ALARM System does not function properly:

1. Recheck the alarm tuning.

2. Check to make sure the switch setting of the Alarm module are correct for the system you are using.

3. Make sure you have programmed the alarm information correctly.

4. Check to ensure fire sensor is close enough to smoke detector.

D. If your HOME CONTROL system does not function correctly:

1. Make sure your group and device codes are correct.

2. Make sure the BUTLER is plugged into the AC line.

3. Make sure you are using the proper module, lamp or appliance module.

4. Make sure the real time clock is set correctly.

5. If no light is seen in the thermostat module, remove upper cover and replace 7½ W-117AC BULB.

E. If your REMOTE CONTROL SYSTEM does not function correctly:

1. Make sure you have the right ACCESS CODE.

2. Make sure you are in ANS SET mode.

3. It is possible that the touchtone phone you are using is putting out too low a signal level. Try another phone.

4. Make sure you are giving the correct commands for the function you want.

5. Make sure your Standard Answering message has some period of quiet so that the BUTLER can hear the STAR touchtone.

Please make sure that all instructions outlined in this book have been carefully followed. If you continue to have difficulties, use another phone to call our hotline at (800) 258-8822, or write our service department.

3. RIGHTS OF THE TELEPHONE COMPANY

The telephone company may make changes in its technical operations and procedures. If such changes affect the compatibility or use of the telephone part of your BUTLER, the telephone company is required to give adequate notice of the changes.

WARRANTY

The BUTLER Computer System has a full ninety (90) day limited warranty for parts and labor from date of purchase. Within the ninety (90) days, TCS, Inc. will repair it without charge for parts or labor. Upon expiration of the ninety (90) days warranty period, TCS, Inc. will still repair your BUTLER, however, there will be a charge for labor and shipping at TCS's then prevailing rates.

Any BUTLER Home Computer System that has been abused, tampered with, or has been repaired by an unauthorized party, is not covered by this guarantee.

This warranty gives you specific legal rights and you may have other rights which vary from state to state.

SECURITY SYSTEM DISCLAIMER

Total Computer Systems, Inc. has engineered and tested the security systems portion of their product #608 BUTLER to the same high standards as are applied to all TCS products so we are absolutely confident that it will perform as specified.

However, because the sensing devices which #608 BUTLER depends on to detect emergencies are supplied by other makers and because the installation of these devices is under the control of the end user and because the programming of the phone numbers the BUTLER will call for help is also under the control of the end user; TCS Inc. cannot control, nor warrant or assume responsibility for the operation, or for the failure to operate, of the security system of which #608 BUTLER becomes a part.

HOW TO GET SERVICE

Any unit requiring repair should be returned to the place of purchase or shipped, in the original packaging container or a similarly-constructed container, to an authorized repair center, postage prepaid and fully insured. Enclose a letter explaining fully the problem and include place and proof of date of purchase.

TOTAL COMPUTER SYSTEMS, INC.
P.O. BOX 792
NEWPORT, RHODE ISLAND 02840

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